

Shiksha

Sanskar

Swavalamban



# Shiksha Sopan

*An Initiative of IIT Community for social upliftment*

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**Newsletter June 2017**

The month of May represents the peak of burning heat at Kanpur. This year also, it offered unbearable heat with temperature soaring to about 45°C most of the time. Sopan Anaupcharik Shikshan Kendra and Evening centers were closed most of the time in this month. However, the team of Sopan had ample work to do. Most hectic and heroic was organization of RESPECT KVs (REvitalizing School Physics Education through Concept-oriented Teaching in KVs) workshop for master resource persons at IIT Kanpur.

## **RESPECT KVs (REvitalizing School Physics Education through Concept-oriented Teaching in KVs)**

A ten-day workshop on Physics teaching at school level (15<sup>th</sup> May- 24<sup>th</sup> May, 2017) was organized at IIT Kanpur. Indian Association of Physics teachers (IAPT) and Shiksha Sopan were the organizers. Most of the academic and management task was performed by Shiksha Sopan. The workshop was inaugurated in the Visitors Hostel of IIT Kanpur. Prof. Anish Upadhyay, Professor, IIT Kanpur, Mr R N Wadalkar, Principal, Kendriya Vidyalaya, IIT Kanpur and Dr B N Das from Kolkata were the Chief Guests.



Mr Amit Kumar Bajpai and Mr Anurag Pandey from Shiksha Sopan were all time busy in managing the whole workshop. On the other hand, Sopan Science Cell was working for about a month on developing new experiments and activities for the workshop. A lot of short experiments were designed which can be used during the classroom teaching. Some activities were designed where measurement skills were involved. The most interesting were Lab Activities in core lab at IIT Kanpur.

## **Making a microscope**

Shiksha Sopan science cell has designed a microscope with the help of a smart phone. It consists of some fabrication like drilling aligned holes in Mica boards, fixing long screws, fixing light source at proper place, and making proper platform for putting the samples under study.

All participants were briefed about the fabrication and were given necessary parts to make it. Each one made his/her own microscope under supervision of Sopan volunteers and looked at magnified images of several objects including biological objects. Everyone thoroughly enjoyed fabrication work.

## **PLUS kits**

For the participants, Shiksha Sopan science cell has developed PLUS (Personal Laboratory to Understand Science) kit using material easily available almost anywhere. Many of the experiments prescribed for +2 level can be performed using this kit. The materials in this kit are simple and readily available.



With proper training and follow-up programme, teachers and students not only use the kit effectively, but also contribute to it substantially. A workbook illustrating how the experiments done in the workshop can be performed has been brought out.

## **Scientific Gift by Sopan**

Our Science Cell conducted "Make your own Gift" session where the participants were guided to make two models and take them home. These were levitating pencil and spoke-tape wave model. Both are basically very useful models in physics. Participants were very happy to make these gifts.

## **Valedictory session**

In the valedictory session, one after other, many participants showed their gratitude towards Shiksha Sopan in general and Dr H C Verma in particular. They expressed their deep appreciation of the commitment with which Sopan workers were managing all aspects of the workshop. PLUS kits were distributed in the valedictory session.

## **Shiksha Sopan Anaupcharik Shikshan Kendra (SASK)**

### ***Music Classes***

Mr Shrish Gupta (Roll No.16104284), PhD student, dept. of electrical engineering, IIT Kanpur has taken initiative to start music classes at Shiksha Sopan Anaupcharik Shikshan Kendra. Children from class 5<sup>th</sup> to 8<sup>th</sup> were given a prelim practice of music. Mr Gupta had given both theory and practical classes to the children. The classes were scheduled on every Wednesday and Saturday.

### ***Farewell function***

SASK organized a farewell function for some of our senior volunteers Mr Nikhil Kulahri, Mr Nikhil Barnwal, Mr Kush Singh and Mr Arun Kumar. These volunteers were students of IIT Kanpur and actively involved in all activities of SASK. They completed their undergraduate course from IITK and going for further studies.



All these students showed their gratitude towards Shiksha Sopan. They also gifted five chess games sets to SASK children. Children became very happy by getting these games. Children of SASK sang some songs on this farewell function. On behalf of Shiksha Sopan, SASK gave them appreciation certificates. These certificates were distributed by Dr H C Verma. Some of our senior volunteers Mr Amit Kumar Bajpai, Mr Anurag Pandey and Mr Vipin Kumar were also present there. All of them wished these students for their bright future.

### ***Attendance Reward***

Though children generally do not miss the school as they enjoy the activities here, SASK honored those having full attendance by giving some gifts. Children who got rewards for their attendance are Omkar, Sonam, Palak, Shreya, Ajay, Lakshmi, Anahita, Sachin and Parul.

### ***Summer Vacations***

Summer vacations were announced at SASK on 20<sup>th</sup> May. It will remain close for one and half months and will open on 03<sup>rd</sup> July, 2017. Mr Shrish and Mr Akhilesh, IIT students were present at SASK on the closing day. They talked to the children and motivated them for their studies in these summer vacations. They also suggested some other activities for these summers.

## Shiksha Sopan Evening Center

### Fruits Party

Students of Barasirohi evening center celebrated Fruits party on 25<sup>th</sup> May, 2017 with some of the volunteers. Center decided to celebrate the season with a fun-filled learning opportunity in the form of a Fruit Party. Different types of fruits were there but they liked watermelon most. Ms Geeta and Ms Kshma told them about the advantages and disadvantages of watermelon. Children enjoyed the party. They were also quite excited and eager to know more about watermelon.



### Special Classes on Craft and dance

Students of evening center were trained in making gifts like paper butterfly, paper lamp, golden tree, photo frames, pen stands, paper pots, dholak and two different types paper peacocks. These classes were given by Ms Geeta Kushwaha, coordinator, Barasirohi evening center. Dance classes were given by Ms Kshma Dwivedi, volunteer of evening center.



## Other Informations

**Web site** : For more details please visit [www.shiksha-sopan.org](http://www.shiksha-sopan.org)

**How to donate:** *Shiksha Sopan*

(a) You can pay through credit/debit card by going to [www.godparents.in](http://www.godparents.in), clicking "support a child" from the left top panel, selecting Shiksha Sopan from the "caretaking NGO" list at the bottom left of the page and then selecting a child from the list. Click on "Be my Godparent" below the photograph.

(b) You can write cheques/draft for donations in the name of "Shiksha Sopan" payable at Kanpur and send to the address given below.

(c) Online transfer can be made in State Bank of India, IITKanpur branch. Account No. **10426002488**, Account name "Shiksha Sopan", IFSC code **SBIN0001161**

(d). People in US can use the link <http://www.iitk.ac.in/dora/donation/PayPal/> and Choose Shiksha Sopan Charitable Contribution to donate through IIT Kanpur foundation using credit cards. All donations are 100% tax deductible in the United States. IIT Kanpur Foundation (Tax ID: 94-3370645) is Tax Exempt under 501(c)(3) classification of IRS.

(e). All donations are Tax free (up to 50%) under section 80/G.

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